



Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

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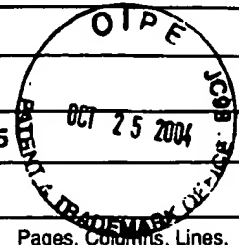
Application Number 09/591,500

Filing Date June 12, 2000

First Named Inventor Gary PASTERNAK et al.

Art Unit 1642

Examiner Name Misook Yu



Sheet

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of

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Attorney Docket Number 62732.000105

**U.S. PATENT DOCUMENTS**

| *Examiner<br>Initials | Cite<br>No. | DOCUMENT NUMBER<br>Number - Kind Code (if known) | Publication Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines,<br>Where Relevant Passages or<br>Relevant Figures Appear |
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|                       |             | Country<br>Code:        | Number - Kind Code<br>(if known) |                                |  |   | YES                      | NO                       |
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**NON-PATENT LITERATURE DOCUMENTS**

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|-----------------------|-------------|--|-------------|----|
|                       |             |  | YES         | NO |
| my                    | 1.          | KADKOL et al., "Novel Nuclear Phosphoprotein pp32 Is Highly Expressed in Intermediate-and High-Grade Prostate Cancer," The Prostate 34:231-237 (1998)  |             |    |
| ↓                     | 2.          | CHEN et al., "Structure of pp32, an Acidic Nuclear Protein Which Inhibits Oncogene-induced Formation of Transformed Foci," Molecular Biology of the Cell, vol. 7, 2045-2046, December 1996   |             |    |
|                       | 3.          |  |             |    |

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Application Number 09/591,500

Filing Date June 12, 2000

First Named Inventor Gary PASTERNAK et al.

Art Unit 1642

Examiner Name Misook Yu

Attorney Docket Number 62732.000105

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| my                 |          | US- 5,726,018                                    | 03-10-1998                     | PASTERNAK  |   |
|                    |          | US- 5,734,022                                    | 03-31-1998                     | PASTERNAK  |   |
|                    |          | US-  |                                |  |   |
|                    |          | US-  |                                |  |   |
|                    |          | US-  |                                |  |   |
|                    |          | US-  |                                |  |   |

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**OTHER DOCUMENTS - NON-PATENT LITERATURE DOCUMENTS**

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| my |  | PARKER et al., "Cancer Statistics, 1996," CA, a Cancer Journal for Clinicians, 46:5-27, 1996   | <input type="checkbox"/> | <input type="checkbox"/> |
|    |  | POTOSKY et al., "The Role of Increasing Detection in the Rising Incidence of Prostate Cancer," JAMA, 273(7)548-552, 1995   | <input type="checkbox"/> | <input type="checkbox"/> |
|    |  | FLEMING et al., "Expression of the c-myc Protooncogene in Human Prostatic Carcinoma and Benign Prostatic Hyperplasia," Cancer Research, 46:1535-1538, 1986       | <input type="checkbox"/> | <input type="checkbox"/> |
|    |  | VISAKORPI et al., "Genetic Changes in Primary and Recurrent Prostate Cancer by Comparative Genomic Hybridization," Cancer Research, 55:342-347, 1995             | <input type="checkbox"/> | <input type="checkbox"/> |
|    |  | GUSEV et al., "pp32 overexpression induces nuclear pleomorphism in rat prostatic carcinoma cells," Cell Proliferation, 29:643-653, 1996, Blackwell Science, Ltd. | <input type="checkbox"/> | <input type="checkbox"/> |

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| First Named Inventor | First Named Inventor |
| Art Unit             | Art Unit             |
| Examiner Name        | Misook Yu            |

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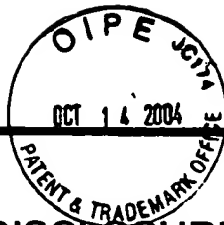
| *Examiner<br>Initials | Cite<br>No. | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published | TRANSLATION              |                          |
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|                       |             |  | YES                      | NO                       |
| my                    |             | WALENSKY et al., "A Novel M, 32,000 Nuclear Phosphoprotein Is Selectively Expressed in Cells Competent for Self-Renewal," Cancer Research, 53:4720-4726, 1993  | <input type="checkbox"/> | <input type="checkbox"/> |
|                       |             | VAESEN et al., "Purification and Characterization of Two Putative HLA Class II Associated Protein: PHAPI and PHAPII," Biol. Chem. Hoppe-Seyler, 375:113-126, 1994, Walter de Gruyter & Co.   | <input type="checkbox"/> | <input type="checkbox"/> |
|                       |             | FINK et al., "Localization of the Gene Encoding the Putative Human HLA Class II - Associated Protein (PHAPI) to Chromosome 15q22.3-q23 by Fluorescence in Situ Hybridization," Genomics, 29:309-310, 1995, Academic Press, Inc.                                | <input type="checkbox"/> | <input type="checkbox"/> |
|                       |             | LI et al., "Molecular Identification of I <sub>1</sub> <sup>PP2A</sup> , a Novel Potent Heat-Stable Inhibitor Protein of Protein Phosphatase 2A," Biochemistry, 35:6998-7002, 1996, American Chemical Society  | <input type="checkbox"/> | <input type="checkbox"/> |
|                       |             | ULITZUR et al., "Biochemical Characterization of Mapmodulin, a Protein That Binds Microtubule-associated Proteins," Journal of Biological Chemistry, 272:30577-30582, 1997, The American Society for Biochemistry and Molecular Biology, Inc.                  | <input type="checkbox"/> | <input type="checkbox"/> |
|                       |             | MATSUOKA et al., "A nuclear factor containing the leucine-rich repeats expressed in murine cerebellar neurons," Proc. Natl. Acad. Sci. USA, 91:9670-9674, 1994   | <input type="checkbox"/> | <input type="checkbox"/> |
|                       |             | MENCINGER et al., "Expression analysis and chromosomal mapping of a novel human gene, APRIL, encoding an acidic protein rich in leucines," Biochimica et Biophysica Acta., 1395:176-180, 1998, Elsevier Science B.V.   | <input type="checkbox"/> | <input type="checkbox"/> |
|                       |             | MALEK et al., "Identification and Preliminary Characterization of Two Related Proliferation-associated Nuclear Phosphoproteins," J. Biol. Chem., 265:13400-13409, 1990, The American Society for Biochemistry and Molecular Biology, Inc.                      | <input type="checkbox"/> | <input type="checkbox"/> |
|                       |             | ISAACS et al., "Genetic Alterations in Prostate Cancer," Cold Spring Harbor Symposia on Quantitative Biology, 59:653-659, 1994, Cold Spring Harbor Lab Press   | <input type="checkbox"/> | <input type="checkbox"/> |
|                       |             | CHEN et al., "Structure of pp32, an Acidic Nuclear Protein Which Inhibits Oncogene-induced Formation of Transformed Foci," Molecular Biology of the Cell, 7:2045-2056, 1996, The American Society for Cell Biology   | <input type="checkbox"/> | <input type="checkbox"/> |
| ✓                     |             | CATTORETTI et al., "Antigen Unmasking on Formalin-Fixed, Paraffin-Embedded Tissue Sections," Journal of Pathology, 171:83-98, 1993, John Wiley & Sons, Inc.  | <input type="checkbox"/> | <input type="checkbox"/> |

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| Application Number   | 09/591,500            |
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| First Named Inventor | Gary PASTERNAK et al. |
| Art Unit             | 1642                  |
| Examiner Name        | Misook Yu             |

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|--------------------|----------|--|--------------------------------|--|---|
| my                 | 1.       | US 4874845                                       | 10-17-1989                     | Saito et al.                                       |   |
|                    | 2.       | US 4889818                                       | 12-26-1989                     | Gelfand et al.                                     |   |
|                    | 3.       | US 5200313                                       | 04-06-1993                     | Carrico  |   |
|                    | 4.       | US 5527884                                       | 06-18-1996                     | Russell et al.                                     |   |
|                    | 5.       | US 5756676                                       | 05-26-1998                     | Pasternack   |   |
|                    | 6.       | US 5874234                                       | 02-23-1999                     | Pasternack   |   |
|                    | 7.       | US 6040173                                       | 03-21-2000                     | Pasternack   |   |
|                    | 8.       | US 20030129631                                   | 07-10-2003                     | Pasternack et al                                   |   |

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|                    |          | Country Code:           | Number - Kind Code<br>(if known) |                                |  |   | YES                      | NO                       |
| my                 | 9.       | WO                      | 99/29906                         | 06-17-1999                     | Pasternack et al.                                  |   | <input type="checkbox"/> | <input type="checkbox"/> |
|                    | 10.      | WO                      | 92/02554                         | 02-20-1992                     | Pasternack   |   | <input type="checkbox"/> | <input type="checkbox"/> |
|                    | 11.      | EPO                     | 0375408                          | 06-27-1990                     | Hogan et al  |   | <input type="checkbox"/> | <input type="checkbox"/> |

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|                    |          |  | YES         | NO |
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*Misook Yu*

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|  |          |           |          | <b>First Named Inventor</b>   | <b>Gary PASTERNAK et al.</b> |
|  |          |           |          | <b>Art Unit</b>               | <b>1642</b>                  |
|  |          |           |          | <b>Examiner Name</b>          | <b>Misook Yu</b>             |
| <b>Sheet</b>   | <b>2</b> | <b>of</b> | <b>9</b> | <b>Attorney Docket Number</b> | <b>62732.000105</b>          |

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|----------------------|-------------|--|-------------|----|
|                      |             |  | YES         | NO |
| my                   | 12.         | (ABSTRACT) ANDERSON et al., "Tissue Specific Isoforms of Erythroid Protein 4.1," Spectrin-Associated Proteins, item no. 2032, J. Cell Biol., 103: page 542a.   |             |    |
|                      | 13.         | (ABSTRACT) PASTERNAK et al., "Protein 4.1 as a Myosin Binding and Modulating Protein: Insights into a new functional class of proteins," Cellular and Molecular Biology of Normal and Abnormal Erythroid Membranes, J. Cell Biochem., Suppl. 13, Part B, pp 209  |             |    |
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| Sheet | 3 | of | 9 |
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|                      |             |  | YES         | NO |
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|                      | 21.         | SHAWVER, et al., 1989, "Platelet-Derived Growth Factor Induces Phosphorylation of a 64-kDa Nuclear Protein," J. Biol. Chem., 264:1046-1050, the American Society for Biochemistry and Molecular Biology, Inc.  |             |    |
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|                      | 25.         | ACKERMAN, et al., 1989, "Regulation of Casein Kinase II Activity by Epidermal Growth Factor in Human A-431 Carcinoma Cells," J. Biol. Chem., 264:11958-11965, the American Society for Biochemistry and Molecular Biology, Inc.  |             |    |
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| ✓                    | 30.         | KLARLUND, et al., 1988, "Insulin-Like Growth Factor I and Insulin Rapidly Increase Casein Kinase II Activity in BALB/c 3T3 Fibroblasts," J. Biol. Chem., 263:15872-15875, the American Society for Biochemistry and Molecular Biology, Inc.                                      |             |    |

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|-----------------------|-------------|--|-------------|----|
|                       |             |  | YES         | NO |
| my                    | 31.         | MATTHEWS, et al., 1984, "Nuclear Protein Kinases," Mol. Cell. Biochem., 59:81-99, Martinus Nijhoff Publishers, Boston, Mass., Printed in the Netherlands.  |             |    |
|                       | 32.         | PFAFF, et al., 1988, "Casein Kinase II Accumulation in the Nucleolus and Its Role in Nucleolar Phosphorylation," Biochem. Biophys. Acta, 969:100-109, Elsevier Science Publishers B.V.   |             |    |
|                       | 33.         | SOMMERCORN, et al., 1987, 1 "Activation of Casein Kinase II in Response to Insulin and to Epidermal Growth Factor," Proc. Natl. Acad. Sci., USA, 84:8834-8838.   |             |    |
|                       | 34.         | STETLER, et al., 1982, "Phosphorylation of Deoxyribonucleic Acid Dependent RNA Polymerase II by Nuclear Protein Kinase NII: Mechanism of Enhanced Ribonucleic Acid Synthesis," Biochemistry, 21:3721-3728, American Chemical Society.                          |             |    |
|                       | 35.         | WALTON, et al., 1985, "Phosphorylation of High Mobility Group Protein 14 by Casein Kinase II," J. Biol. Chem., 260:4745-4750, the American Society of Biological Chemists, Inc.  |             |    |
|                       | 36.         | ELIYAHU, et al., 1989, "Wild-Type p53 Can Inhibit Oncogene-Mediated Focus Formation," Proc. Natl. Acad. Sci., USA, 86:8763-8767.   |             |    |
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|                        |                       |
|------------------------|-----------------------|
| Application Number     | 09/591,500            |
| Filing Date            | June 12, 2000         |
| First Named Inventor   | Gary PASTERNAK et al. |
| Art Unit               | 1642                  |
| Examiner Name          | Misook Yu             |
| Attorney Docket Number | 62732.000105          |

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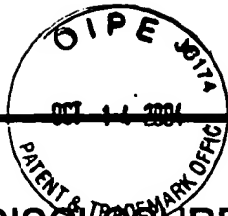
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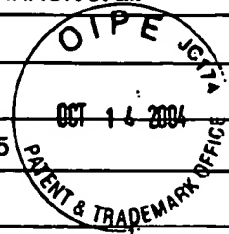
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|                       | 93.         |  |             |    |
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